

Management of Quarry Reference Specimens

1. Scope

This Code of Practice outlines the management of Quarry Reference Specimens and provides the Quarry Reference Specimen Register (QRSR). The QRSR details current (#) Quarry Reference Specimen Lists (QRSL) to be used by quarries, testing laboratories, contractors and VicRoads for assessing the quality of crushed rock and aggregate.

2. Quarry Reference Specimen

Definition: A small quantity of representative crushed rock particles from a quarry face, usually of 10mm nominal size, prepared in accordance with RC 372.02 and AS 1141.30.2.

A quarry reference specimen is specific to a rock source and is classified as either "sound", "marginal", or "unsound".

The reference specimen is used in the assessment of the quality of coarse aggregates in accordance with RC 372.01 and AS 1141.30.1.

3. Quarry Reference Specimen List

Definition: A document which provides details of the reference specimens to be used in the assessment of the quality of coarse aggregates in accordance with RC 372.01 and AS 1141.30.1.

The unique identifier for a particular QRSL is its list number. If the QRSL is updated, e.g. because samples are added to or removed from the Quarry Reference Specimen set, a new list number will be automatically assigned.

Information given in the QRSL includes:

- The supplier name and supplier number
- The list number
- The status of the QRSL as either "draft", "current" or "obsolete",
- The date on which the QRSL comes into effect ("Effective Date")
- The rock type
- VicRoads laboratory number for each sample

- Report number of associated quarry investigation report
- Sampling date
- Durability classification (Sound/Marginal/Unsound)
- Sampling location

4. Quarry Reference Specimen Register

The current (#) QRSL list numbers applicable to individual VicRoads accredited suppliers are maintained in the Quarry Reference Specimen Register, as the Appendix to RC 500.03.

The QRSR will only show the supplier name and number, list number and effective date for each current QRSL. Details of the reference specimens will not be shown.

The register will be reviewed at least three times each year and updated to reflect any changes.

5. Protection of Confidentiality

In accordance with VicRoads Code of Practice RC 500.00, parties external to VicRoads will not be given access to any sets of reference specimens, any quarry information (e.g. assigned values, QRSL etc.) or quarry investigation reports held within VicRoads unless prior permission is obtained both from the supplier who owns the rock and from VicRoads. A record of supplier permission granting access to any quarry information or investigation reports must be maintained by VicRoads.

6. Visual Assessment of Coarse Aggregates

When quarry laboratories carry out "unsound stone counts", i.e. visual assessments of aggregate quality in accordance with RC 372.01 and AS 1141.30.1, the reference set used must be the set identified on the relevant QRSL listed as "current" in the QRSR on the VicRoads website. In case of any discrepancies, VicRoads quarry accreditation officers shall be contacted immediately.

Reference Specimen List Numbers current as at 08 June 2017.

If you would like to receive this publication in an accessible format, please contact: vicroadstechnicalservices@roads.vic.gov.au, or request it using VicRoads website feedback form.

VicRoads Code of Practice - Revision Summary
RC 500.03 – Management of Quarry Reference Specimens

Date	Clause	Description of Revision	Authorised by
June 2017	Appendix	Updated list numbers and included Tasmanian Quarries, minor layout change	Principal Adviser – Pavements, Geotech. & Materials
April 2016	Appendix	Minor layout change, updated list numbers and added new suppliers to reflect changes post March 2014	Principal Adviser – Pavement & Materials
March 2014	Appendix	Updated list numbers and added new suppliers to reflect changes post June 2013	Principal Adviser – Pavement & Materials
June 2013	Full Document	Initial Release	Principal Adviser – Pavement & Materials

Appendix – Quarry Reference Specimen Register

Limitations	
C - Crushed Concrete only	N - Newer Basalt Surface Spalls only
F - Class 4 CR only	H - Class 3 and 4 CR only
K - Class 2, 3 and 4 CR only	

Quarry Reference Specimen Register

Supplier	Supplier Number	List Number	Effective Date
VICTORIA			
ACM – Aurora Constr. Materials Beveridge - N	C0000708	GR0000393	10/04/2017
ACM - Aurora Constr. Materials Epping - N	C0000045	GR0000266	24/03/2014
ACM - Aurora Constr. Materials Rockbank - N	C0000621	GR0000289	04/06/2015
Alex Fraser Recycling Clayton - C	C0000491	Not applicable	Not applicable
Alex Fraser Recycling Epping - C	C0000268	Not applicable	Not applicable
Alex Fraser Recycling Epping - N	C0000552	GR0000022	10/09/2009
Alex Fraser Recycling Laverton - C	C0000489	Not applicable	Not applicable
Alex Fraser Recycling Laverton - N	C0000490	GR0000108	10/09/2009
Allstone Eaglehawk - C	C0000291	Not Applicable	Not Applicable
Allstone Newbridge	C0000016	GR0000024	31/10/2008
BAMStone Pt Fairy	C0000576	GR0000245	02/07/2013
Bell's Lake Gilliar	C0000580	Not applicable	Not applicable
Boral Bacchus Marsh	C0000189	GR0000026	20/04/2012
Boral Charlton	C0000019	GR0000244	06/05/2013
Boral Coldstream	C0000020	GR0000189	27/01/2011
Boral Coldstream Recycling - C	C0000531	Not applicable	Not applicable
Boral Cosgrove	C0000021	GR0000197	8/06/2011
Boral Dandenong	C0000024	GR0000226	12/04/2012

Quarry Reference Specimen Register

Supplier	Supplier Number	List Number	Effective Date
Boral Dandenong Recycling - C	C0000493	Not applicable	Not applicable
Boral Deer Park	C0000025	GR0000326	01/12/2015
Boral Dunnstown	C0000026	GR0000286	28/04/2015
Boral Montrose	C0000006	GR0000315	19/10/2015
Boral Mt Napier (Dundas)	C0000029	GR0000383	31/01/2017
Boral Wollert	C0000030	GR0000248	04/06/2013
Boral Wollert Recycling - C	C0000583	Not Applicable	Not Applicable
Boral (Grahams) Dookie	C0000032	GR0000343	05/07/2016
Boral/Delta Recycling Sunshine - C	C0000492	Not Applicable	Not Applicable
Casacir Neerim North	C0000270	GR0000389	21/02/2017
Castella Quarry	C0000034	GR0000274	26/09/2014
Central Quarries Rockbank	C0000603	GR0000271	18/06/2014
City Circle Recycling Brooklyn - C	C0000262	Not applicable	Not applicable
City Circle Recycling Brooklyn - N	C0000599	GR0000108	10/09/2009
City Circle Recycling Dandenong - C	C0000586	Not applicable	Not applicable
City Circle Recycling Melton - N	C0000646	GR0000339	27/04/2016
Davidsons Jack River	C0000049	GR0000299	22/07/2015
Driffield Quarry	C0000051	GR0000048	07/02/2008
Eastern Quarries Benambra	C0000087	GR0000265	24/02/2014
Euroa Quarries - Gooram	C0000462	GR0000240	03/01/2013
Evans Quarry Ventnor	C0000052	GR0000369	07/09/2016
Fulton Hogan Tylden	C0000053	GR0000051	21/03/2008
Fulton Hogan Tynong	C0000022	GR0000186	13/01/2011

Quarry Reference Specimen Register

Supplier	Supplier Number	List Number	Effective Date
Fulton Hogan Tynong New Hole	C0000614	GR0000372	19/10/2016
Geelong Quarries	C0000588	GR0000323	25/11/2015
Goulburn Valley Resources	C0000584	Not applicable	Not applicable
Grahams Langwarrin	C0000056	GR0000182	25/10/2010
Granite Rock Quarry	C0000057	GR0000317	20/11/2015
G.E.M. Allanvale (Tucker's Hill)	C0000106	GR0000268	16/05/2014
G.E.M. Moree	C0000039	GR0000284	05/03/2015
Hanson Axedale	C0000058	GR0000281	10/02/2015
Hanson Carisbrook	C0000059	GR0000267	17/03/2014
Hanson Heywood	C0000061	GR0000293	09/07/2015
Hanson Kilmore	C0000062	GR0000280	10/02/2015
Hanson Kilmore East (Formerly Galli KE)	C0000526	GR0000224	12/04/2012
Hanson Little River (Werribee)	C0000565	GR0000279	10/02/2015
Hanson Lysterfield	C0000063	GR0000065	28/06/2006
Hanson Lysterfield Hornfels	C0000685	GR0000381	28/11/2016
Hanson Mildura	C0000064	GR0000066	13/09/2001
Hanson Wollert	C0000065	GR0000294	09/07/2015
Hanson Wollert - N	C0000624	GR0000287	04/05/2015
Hi-Quality Bulla - H	C0000274	GR0000399	10/05/2017
Hillview Quarries Dromana	C0000066	GR0000218	20/12/2011
Holcim Colac	C0000036	GR0000213	29/11/2011
Holcim Jeeralang North	C0000037	GR0000233	15/10/2012
Holcim Leongatha	C0000038	GR0000334	25/02/2016

Quarry Reference Specimen Register

Supplier	Supplier Number	List Number	Effective Date
Holcim Oaklands Junction Granite	C0000047	GR0000297	22/07/2015
Holcim Oaklands Junction Hornfels	C0000048	GR0000300	27/07/2015
Holcim Pakenham	C0000010	GR0000076	26/09/2008
Holcim Tarrone (Warrnambool)	C0000041	GR0000252	19/08/2013
Holcim Tynong North	C0000042	GR0000211	17/11/2011
Holcim Werribee	C0000043	GR0000080	25/02/2008
Holcim Werribee Manor Hole	C0000651	GR0000335	25/02/2016
Judd Boweya North	C0000275	GR0000084	9/10/2009
Judd Tungamah	C0000459	GR0000239	14/11/2012
Latrobe Valley Blue Metal	C0000068	GR0000085	28/10/2008
Lawrence Bros Field's Pit - K	C0000590	GR0000329	07/01/2016
Leech Talbot	C0000069	GR0000086	20/02/2007
Lethbridge Quarry	C0000507	GR0000255	03/10/2013
Lima South Quarry	C0000070	GR0000396	24/04/2017
Local Mix Moolap - C	C0000637	Not applicable	Not applicable
Matthews Quarries Tyers (Boola)	C0000071	GR0000298	22/07/2015
Mawsons Glenrowan	C0000072	GR0000254	01/10/2013
Mawsons Lake Boga	C0000073	GR0000092	27/11/2008
Mawsons Lake Cooper	C0000074	GR0000264	24/02/2014
Mawsons Mansfield	C0000017	GR0000246	03/06/2013
Mawsons Pyramid Hill	C0000075	GR0000311	06/10/2015
Mawsons Yabba North	C0000076	GR0000318	16/11/2015

Quarry Reference Specimen Register

Supplier	Supplier Number	List Number	Effective Date
McKinnon Barfold	C0000602	GR0000269	20/05/2014
McKinnon Cann River - K	C0000568	GR0000292	02/07/2015
Molans Camperdown	C0000105	GR0000096	12/10/2009
Molans Salt Creek	C0000277	GR0000097	31/12/2008
Mountain View Quarries Donnybrook Recycling - N	C0000103	GR0000256	03/10/2013
Mountain View Quarries Point Wilson	C0000080	GR0000307	03/08/2015
Mountain View Quarries Seymour	C0000081	GR0000215	30/11/2011
Mountain View Quarries Wyndhamvale	C0000083	GR0000103	25/02/2008
Mountain View Quarries Sunshine - C	C0000581	Not applicable	Not applicable
Mountain View Quarries Sunshine - N	C0000082	GR0000104	29/11/2006
Mt Drummond Quarry Stawell	C0000084	GR0000206	19/08/2011
North Altona Rock Blasting Plumpton Rd - C	C0000498	Not applicable	Not applicable
North Altona Rock Blasting Plumpton Rd - N	C0000495	GR0000175	23/09/2010
Northern Quarries Epping	C0000086	GR0000205	19/08/2011
Rigby's Coleraine	C0000088	GR0000260	09/01/2014
SBI Cranbourne Quarries - F	C0000195	Not applicable	Not applicable
Schmidt Nimmitabel	C0000090	GR0000400	23/05/2017
SG Quarries Nerrena	C0000564	GR0000277	30/06/2015
SITA ResourceCo - C	C0000598	Not applicable	Not applicable
Skipton Quarry	C0000091	GR0000322	25/11/2015
Sunshine Groupe Brooklyn - C	C0000533	Not applicable	Not applicable
Sunshine Groupe Brooklyn - N	C0000585	GR0000337	31/03/2016

Quarry Reference Specimen Register

Supplier	Supplier Number	List Number	Effective Date
Violet Town Quarries Leucitite	C0000095	GR0000333	13/05/2016
Violet Town Quarries Rhyodacite	C0000094	GR0000164	08/09/2010
Walsh Quarries Dunnstown	C0000096	GR0000170	15/09/2010
Walsh Quarries Learmonth	C0000097	GR0000169	15/09/2010
Western Quarries Dunneworthy	C0000644	GR0000341	08/06/2016
Whelan's Boucher Rd	C0000098	GR0000397	02/05/2017
Whelan's Boyd Rd	C0000099	GR0000121	26/09/2008
Whelan's Bruthen	C0000100	GR0000236	01/10/2012
Whelan's Glenmaggie	C0000055	GR0000055	01/10/2007
Yarck Quarry	C0000639	GR0000342	22/06/2016
Yarra Valley Quarries	C0000102	GR0000309	05/08/2015

NEW SOUTH WALES

Bald Hill Quarry – Holbrook (NSW)	C0000523	GR0000403	01/06/2017
Bald Hill Quarry – Tumbarumba (NSW)	C0000544	GR0000398	05/05/2017
Boral Culcairn (NSW)	C0000023	GR0000330	20/01/2016
Mawsons Berrigan (NSW)	C0000506	GR0000192	23/02/2011
Mawsons Broken Hill (NSW)	C0000519	GR0000201	19/07/2011

SOUTH AUSTRALIA

Boral Linwood (SA)	C0000466	GR0000386	08/02/2017
Boral Lobethal (SA)	C0000467	GR0000392	09/03/2017
Boral Mt McIntyre (SA)	C0000104	GR0000290	19/06/2015
Boral Whyalla (SA)	C0000471	GR0000148	21/07/2010
Hanson Kanmantoo (SA)	C0000485	GR0000388	08/02/2017
Kulpara Quarry (SA)	C0000559	GR0000384	06/02/2017
McLaren Vale Quarries (SA)	C0000502	GR0000385	02/02/2017
Southern Quarries (SA)	C0000587	GR0000303	15/09/2015
Topcoat Truro (SA)	C0000630	GR0000306	12/08/2015

TASMANIA

BIS Ridgley (TAS)	C0000664	GR0000367	15/08/2016
BIS Stoodley (TAS)	C0000665	GR0000357	15/08/2016
BIS Western Junction (TAS)	C0000655	GR0000361	15/08/2016
Boral Bridgewater (TAS)	C0000668	GR0000366	15/08/2016
Boral Flowery Gully (TAS)	C0000659	GR0000359	15/08/2016
Boral Launceston (TAS)	C0000656	GR0000364	15/08/2016

Boral Nook (TAS)	C0000663	GR0000355	15/08/2016
Crezzco Exton (TAS)	C0000697	GR0000375	02/11/2016
Crezzco Meander (TAS)	C0000698	GR0000374	03/11/2016
Duggans Cradoc (TAS)	C0000669	GR0000376	04/11/2016
Gaspersic North Lyell/Queenstown (TAS)	C0000673	GR0000346	15/08/2016
Gradco Quarry Hill (TAS)	C0000694	GR0000370	11/10/2016
Hanson Flagstaff Gully (TAS)	C0000670	GR0000349	15/08/2016
Hanson Launceston (TAS)	C0000657	GR0000360	15/08/2016
Hazell Bros Leslie Vale (TAS)	C0000667	GR0000348	15/08/2016
Hazell Bros Long Hill (TAS)	C0000658	GR0000352	15/08/2016
Hazell Bros Tunbridge (TAS)	C0000671	GR0000365	15/08/2016
North East Excavations St Helens (TAS)	C0000675	GR0000362	15/08/2016
Simmonds Hill Quarry (TAS)	C0000699	GR0000379	08/11/2016
Stornoway Raeburn Quarry (TAS) – H	C0000661	GR0000363	15/08/2016
Treloar Shackley Hill (TAS)	C0000666	GR0000358	15/08/2016
Ulverstone Quarry (TAS)	C0000662	GR0000354	15/08/2016
Van Diemen Quarries (TAS) – K	C0000696	GR0000377	07/11/2016
Wallaroo Lilla Villa Quarry (TAS)	C0000700	GR0000380	15/11/2016
Walters Nook (TAS)	C0000674	GR0000368	15/08/2016